

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of )  
de Larios et al. )  
Application No. 10/816,337 )  
Filed: March 31, 2004 )  
For: APPARATUSES AND METHODS FOR )  
CLEANING A SUBSTRATE )

Examiner: Kornakov, Michail

Art Unit: 1744

Docket No. LAM2P464

Date: February 2, 2005

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 on February 2, 2005.

Signed: \_\_\_\_\_

Neely Jo Entwistle



**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§1.56 AND 1.97(c)**

Commissioner for Patents  
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached Form PTO/SB/08a may be material to examination of the above-identified patent application. If any foreign patent documents and /or non-patent literature is listed in the attached form PTO/SB/08A, copies of such are enclosed, in accordance with 37 CFR §1.98(a)(2). In accordance with 1276 OG 55 of 05 August 2003, copies of any U.S. patents and/or U.S. patent application publications listed in the attached form PTO/SB/08A are not enclosed.

Applicants identify these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

This Information Disclosure Statement (IDS) is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is believed to be filed before the mailing date of a first Office Action on the merits. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-0805 (Order No. LAM2P464).

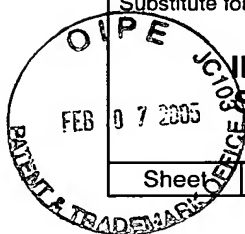
Respectfully submitted,  
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Attorney Docket No. LAM2P464

Substitute for form 1449/PTO



# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

**Complete if Known**

Application Number	10/816,337
Filing Date	March 31, 2004
First Named Inventor	John M. de Larios
Art Unit	1744
Examiner Name	Kornakov, Michail
Attorney Docket Number	LAM2P464

**U.S. Patent Documents**

Examiner Initials	Cite No. <sup>1</sup>	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	2002-0094684-A1	07-18-2002	Hirasaki et al.	
	BA	2002-0195121-A1	12-26-2002	Kittle	
	CA	2003-0075204-A1	04-24-2003	De Larios et al.	
	DA	2003-0171239-A1	09-11-2003	Patel et al.	
	EA	3,978,176	08-31-1976	Voegeli	
	FA	4,838,289	06-13-1989	Kottman et al.	
	GA	5,271,774	12-21-1993	Leenaars et al.	
	HA	5,464,480	11-07-1995	Matthews	
	IA	5,705,223	01-06-1998	Bunkofske	

**Foreign Patent Documents**

Examiner Initial	Cite No. <sup>1</sup>	Foreign Patent Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number- <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	JA	JP-2002-280330-A	09-27-2002	Lintec Corp		<input type="checkbox"/>
	KA	JP-2002-309638-A	10-23-2002	Takiron Co. Ltd.		<input type="checkbox"/>
	LA	JP-H11-350169-A	12-21-1999	Chemitoronics Co.		<input type="checkbox"/>
	MA	JP-S62-119543-A	05-30-1987	Mitsubishi Electric Corp.		<input type="checkbox"/>
	NA					<input type="checkbox"/>

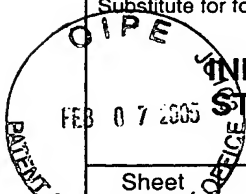
**Non Patent Literature Documents**

Examiner Initial	Cite No.	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>6</sup>
	OA	KIRKPATRICK et al., "Advanced Wafer-Cleaning Evolution," Solid State Technology, May 2003, www.solid-state.com	<input type="checkbox"/>
	PA	WEAIRE et al., "The Physics of Foams," Department of Physics, Trinity College, Dublin, 1999	<input type="checkbox"/>
	QA	KITTLE et al., "Photoresist Removal Using Aqueous Foam," found on the internet: <a href="http://www.aquafoam.com/papers/A2C2photoresist.pdf">http://www.aquafoam.com/papers/A2C2photoresist.pdf</a> , 2001	<input type="checkbox"/>
	RA	KITTLE et al., "Aqueous Foam Drying and Cleaning of Semiconductor Wafers," found on the internet: <a href="http://www.aquafoam.com/papers/SCCPresentation.pdf">http://www.aquafoam.com/papers/SCCPresentation.pdf</a> ,	<input type="checkbox"/>

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Substitute for form 1449/PTO		<b>Complete if Known</b>	
		Application Number	10/816,337
 <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Filing Date	March 31, 2004
		First Named Inventor	John M. de Larios
		Art Unit	1744
		Examiner Name	Kornakov, Michail
Sheet	2	of	3
		Attorney Docket Number	LAM2P464

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	AB	5,858,283	01-12-1999	Burris	
	BB	5,900,191	05-04-1999	Gray et al.	
	CB	5,945,351	08-31-1999	Mathuni	
	DB	5,997,653	12-07-1999	Yamasaka	
	EB	6,267,125	07-31-2001	Bergman et al.	
	FB	6,276,459	08-21-2001	Herrick et al.	
	GB	6,398,975	06-04-2002	Mertens et al.	
	HB	6,439,247	08-27-2002	Kittle	
	IB	6,491,764	12-10-2002	Mertens et al.	

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	NB					<input type="checkbox"/>

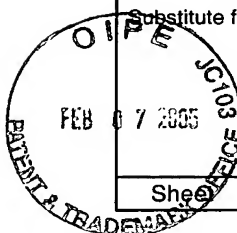
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	OB	KITTLE et al., "Foam Wafer Cleaning - Experimental Proof of Concept < <a href="http://www.aquafoam.com/papers/Removalall.pdf">http://www.aquafoam.com/papers/Removalall.pdf</a> >"	<input type="checkbox"/>
	PB	KITTLE, et al., "Particulate Removal Using a Foam Medium < <a href="http://www.aquafoam.com/papers/particulate.pdf">http://www.aquafoam.com/papers/particulate.pdf</a> >"	<input type="checkbox"/>
	QB	KITTLE, "Removing Particles with a Foam Medium < <a href="http://www.aquafoam.com/papers/A2C2foammedium.pdf">http://www.aquafoam.com/papers/A2C2foammedium.pdf</a> >," A2C2, page 11-15, January, 2002	<input type="checkbox"/>
	RA	KITTLE et al., "Photoresist Residue Removal Using Aqueous Foam Proof of Concept Experiments < <a href="http://www.aquafoam.com/papers/Proof-11MB.pdf">http://www.aquafoam.com/papers/Proof-11MB.pdf</a> >" <papers/A2C2photoresist.pdf>, pages 13-17, May, 2002	<input type="checkbox"/>

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	CC				
	DC				
	EC				
	FC				
	GC				
	HC				
	IC				

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	NC					<input type="checkbox"/>

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	OC	KITTLE et al., "Semiconductor Wafer Cleaning and Drying Using a Foam Medium" < <a href="http://www.aquafoam.com/papers/NWCWG.pdf">http://www.aquafoam.com/papers/NWCWG.pdf</a> > Sematech Novel Wafer Cleans Working Group Meeting, Internet Presentation, November 13, 2001	<input type="checkbox"/>
	PC	HUNTER, "Introduction to Modern Colloid Science," Oxford University Press, February 1994	<input type="checkbox"/>
	QC	LESTER "Is Foam Wafer Cleaning and Drying the Future?" < <a href="http://www.aquafoam.com/papers/SCI0202.pdf">http://www.aquafoam.com/papers/SCI0202.pdf</a> > Semiconductor International, 25, #2 (February), 42 (2002).	<input type="checkbox"/>
	RC		<input type="checkbox"/>

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